ELSEVIER

Journal of Non-Crystalline Solids 240 (1998) 247–248

JOURNAL OF NON-CRYSTALLINE SOLIDS

Author Index

Adriaenssens, G.J., see Iakoubovskii, K. 240 (1998) 237

Basu, S., see Ramesh Rao, N. 240 (1998) 221
Bény, J.-M., see Schmidt, B.C. 240 (1998) 91
Bettinelli, M., see Ebendorff-Heidepriem, H. 240 (1998) 66
Bettinelli, M., see Rossi, F. 240 (1998) 232
Boolchand, P., see Mitkova, M. 240 (1998) 1

Calas, S., see Scherer, G.W. 240 (1998) 118
Callaerts, R., see Tichy, L. 240 (1998) 177
Capobianco, J.A., see Rossi, F. 240 (1998) 232
Claußen, O., see Gerlach, S. 240 (1998) 110

Dasannacharya, B.A., see Ramesh Rao, N. 240 (1998) 221
Dohkai, T., see Kamiya, K. 240 (1998) 202
Doweidar, H., Density–structure correlations in Na_2O–Al_2O_3–SiO_2 glasses 240 (1998) 55
Dvinskikh, S.V., I.V. Murin, A.F. Privalov, A.A. Pronkin, E. Rössler and H.-M. Vieth, Microscopic structure of the glassy ionic conductor $x \cdot LiF + (1 - x) \cdot LiPO_3$ from NMR data 240 (1998) 79

Ebendorff-Heidepriem, H., D. Ehrt, M. Bettinelli and A. Speghini, Effect of glass composition on Judd–Ofelt parameters and radiative decay rates of Er^{3+} in fluoride phosphate and phosphate glasses 240 (1998) 66
Ehrt, D., see Ebendorff-Heidepriem, H. 240 (1998) 66
El-Egili, K., see Moustafa, Y.M. 240 (1998) 144

Ferrari, M., see Rossi, F. 240 (1998) 232

Ganguli, D., see Sujatha Devi, P. 240 (1998) 50
Gao, H., see Xie, X. 240 (1998) 166
Gerlach, S., O. Claußen and C. Rüssel, Self-diffusivity of iron in alkali–lime–alumosilicate glass melts 240 (1998) 110
Gopal, E.S.R., see Ramesh Rao, N. 240 (1998) 221
Guha, S., V.J. Leppert and S.H. Risbud, Identification of the electronic states of Se_2^- molecules embedded in borosilicate glasses and in Se-based nanometer sized crystals 240 (1998) 43
Gutzow, I., see Möller, J. 240 (1998) 131

Hajdu, F., see Mendelev, M.I. 240 (1998) 35
Hasegawa, S., T. Tsukaoka, T. Inokuma and Y. Kurata, Dielectric properties of fluorinated silicon dioxide films 240 (1998) 154
Hashimoto, T., see Kamiya, K. 240 (1998) 202
Hertogen, P.W., see Iakoubovskii, K. 240 (1998) 237
Holtz, F.M., see Schmidt, B.C. 240 (1998) 91
Hwa, L.-G., see Szu, S. 240 (1998) 22

Iakoubovskii, K., P.W. Hertogen and G.J. Adriaenssens, Photoinduced anisotropy and polarization memory of the photoluminescence in germanium sulfide glasses 240 (1998) 237
Inokuma, T., see Hasegawa, S. 240 (1998) 154
Ishmaev, S.N., see Mendelev, M.I. 240 (1998) 35

Jakšić, A., see Pejović, M. 240 (1998) 182

Kamiya, K., T. Dohkai, M. Wada, T. Hashimoto, J. Matsuoka and H. Nasu, X-ray diffraction of silica gels made by sol–gel method under different conditions 240 (1998) 202
Krishna, P.S.R., see Ramesh Rao, N. 240 (1998) 221
Kurata, Y., see Hasegawa, S. 240 (1998) 154

Leppert, V.J., see Guha, S. 240 (1998) 43

Matsuoka, J., see Kamiya, K. 240 (1998) 202
Medlin, M.W., K.D. Sienerth and H.D. Schreiber, Electrochemical determination of reduction potentials in glass-forming melts 240 (1998) 193
Mendelev, M.I., S.N. Ishmaev, F. Hajdu, Gy. Mészáros and E. Sváb, Partial structure correlations in amorphous $Ni_{83}La_{17}$ 240 (1998) 35
Mészáros, Gy., see Mendelev, M.I. 240 (1998) 35
Mitkova, M. and P. Boolchand, Microscopic origin of the glass forming tendency in chalcohalides and constraint theory 240 (1998) 1
Möller, J., J. Schmelzer and I. Gutzow, Elastic stress effects on critical cluster shapes 240 (1998) 131
Montagna, M., see Rossi, F. 240 (1998) 232
Moustafa, Y.M. and K. El-Egili, Infrared spectra of sodium phosphate glasses 240 (1998) 144
Murin, I.V., see Dvinskikh, S.V. 240 (1998) 79

Nagels, P., see Tichy, L. 240 (1998) 177
Nasu, H., see Kamiya, K. 240 (1998) 202

Pejović, M., A. Jakšić and G. Ristić, The behaviour of radiation-induced gate-oxide defects in MOSFETs during annealing at 140°C 240 (1998) 182
Peng, Y.-L., see Tomozawa, M. 240 (1998) 104
Privalov, A.F., see Dvinskikh, S.V. 240 (1998) 79
Pronkin, A.A., see Dvinskikh, S.V. 240 (1998) 79

Ramesh Rao, N., P.S.R. Krishna, S. Basu, B.A. Dasannacharya, K.S. Sangunni and E.S.R. Gopal, Structural correlations in Ge_xSe_{1-x} glasses – a neutron diffraction study 240 (1998) 221
Risbud, S.H., see Guha, S. 240 (1998) 43
Ristić, G., see Pejović, M. 240 (1998) 182
Rossi, F., M. Montagna, M. Ferrari, J.A. Capobianco and M. Bettinelli, Line width measurements of Cr^{3+} in a zinc borate glass 240 (1998) 232
Rössler, E., see Dvinskikh, S.V. 240 (1998) 79
Rüssel, C., see Gerlach, S. 240 (1998) 110

Sakata, S., see Watanabe, Y. 240 (1998) 212
Sangunni, K.S., see Ramesh Rao, N. 240 (1998) 221
Scherer, G.W., S. Calas and R. Sempéré, Densification kinetics and structural evolution during sintering of silica aerogel 240 (1998) 118
Schmelzer, J., see Möller, J. 240 (1998) 131
Schmidt, B.C., F.M. Holtz and J.-M. Bény, Incorporation of H_2 in vitreous silica, qualitative and quantitative determination from Raman and infrared spectroscopy 240 (1998) 91
Schreiber, H.D., see Medlin, M.W. 240 (1998) 193
Sempéré, R., see Scherer, G.W. 240 (1998) 118
Shu, C., see Szu, S. 240 (1998) 22
Sienerth, K.D., see Medlin, M.W. 240 (1998) 193
Singh, J., see Yang, R. 240 (1998) 29
Speghini, A., see Ebendorff-Heidepriem, H. 240 (1998) 66
Sujatha Devi, P. and D. Ganguli, Vanadyl ion stability in silica gels 240 (1998) 50
Sváb, E., see Mendelev, M.I. 240 (1998) 35
Szu, S., C. Shu and L.-G. Hwa, Structure and properties of lanthanum galliogermanate glasses 240 (1998) 22

Ticha, H., see Tichy, L. 240 (1998) 177
Tichy, L., H. Ticha, P. Nagels and R. Callaerts, Photoinduced optical changes in amorphous Se and Ge–Se films 240 (1998) 177
Tomozawa, M. and Y.-L. Peng, Surface relaxation as a mechanism of static fatigue of pristine silica glass fibers 240 (1998) 104
Tsuchiya, T., see Watanabe, Y. 240 (1998) 212
Tsukaoka, T., see Hasegawa, S. 240 (1998) 154

Vieth, H.-M., see Dvinskikh, S.V. 240 (1998) 79

Wada, M., see Kamiya, K. 240 (1998) 202
Watanabe, T., see Watanabe, Y. 240 (1998) 212
Watanabe, Y., S. Sakata, T. Watanabe and T. Tsuchiya, Two-photon absorption in binary Bi_2O_3–B_2O_3 glass at 532 nm 240 (1998) 212

Xie, X. and H. Gao, Calorimetric studies on the crystallization of Li_2S–B_2O_3 glasses 240 (1998) 166

Yang, J., see Zhou, W. 240 (1998) 242
Yang, R. and J. Singh, Study of the stability of hydrogenated amorphous silicon using tight-binding molecular dynamics 240 (1998) 29

Zhang, L., see Zhou, W. 240 (1998) 242
Zhou, W., J. Yang and L. Zhang, Effect of composition on the glass-forming tendency of barium aluminosilicate gels derived from metal alkoxides 240 (1998) 242

ELSEVIER

Journal of Non-Crystalline Solids 226 (1998) 249–251

JOURNAL OF NON-CRYSTALLINE SOLIDS

Subject Index

Aerogels
Densification, Kinetics, Sintering 240 (1998) 118
Sol-Gel Processes, Vanadium Oxide 240 (1998) 50

Alloys
Modelling, Neutron Diffraction, X-ray Diffraction 240 (1998) 35

Borates
Chalcogenides, Electron Spin Resonance, Luminescence 240 (1998) 43
Differential Scanning Calorimetry, Stability 240 (1998) 166
Glasses Containing Transition Metal Ions, Optical Properties 240 (1998) 232

Borosilicates
Oxidation Reduction, Polarization 240 (1998) 193

Chalcogenide Glasses
Luminescence, Photoinduced Effects, Polarization 240 (1998) 237
Neutron Diffraction, Structure 240 (1998) 221
Photoinduced Effects 240 (1998) 177

Chalcogenides
Borates, Electron Spin Resonance, Luminescence 240 (1998) 43

Chalcohalides
Chemical Short-Range Order, Theory 240 (1998) 1

Chemical Short-Range Order
Chalcohalides, Theory 240 (1998) 1

Crystallization
Modelling, Surface Reactions 240 (1998) 131

Densification
Aerogels, Kinetics, Sintering 240 (1998) 118

Density
Modelling 240 (1998) 55
Oxides, Raman Spectra, Rare Earth Ions 240 (1998) 22

Devices
Radiation Effects, Transistors 240 (1998) 182

Differential Scanning Calorimetry
Borates, Stability 240 (1998) 166

Diffusion
Glasses Containing Transition Metal Ions, Viscosity, Voltammetry 240 (1998) 110

Electron Spin Resonance
Borates, Chalcogenides, Luminescence 240 (1998) 43

Electronic Structure
Non-linear Optics, Optical Properties 240 (1998) 212

Fluorescence Spectra
Optical Properties, Rare Earth Ions 240 (1998) 66

Glass Formation
Oxides, Sol-Gel Processes 240 (1998) 242

Glasses Containing Transition Metal Ions
Borates, Optical Properties 240 (1998) 232
Diffusion, Viscosity, Voltammetry 240 (1998) 110

Hydrogen Effects
Modelling, Silicon 240 (1998) 29

Hydrogen in Glass
Infra-red Absorption, Raman Spectra, Silica 240 (1998) 91

Infra-red Absorption
Hydrogen in Glass, Raman Spectra, Silica 240 (1998) 91
Phosphates, Structure 240 (1998) 144

Ionic Conductivity
Nuclear Magnetic Resonance, Phosphates, Structure 240 (1998) 79

Kinetics
Aerogels, Densification, Sintering 240 (1998) 118

Luminescence
Borates, Chalcogenides, Electron Spin Resonance 240 (1998) 43
Chalcogenide Glasses, Photoinduced Effects, Polarization 240 (1998) 237

Modelling
Alloys, Neutron Diffraction, X-ray Diffraction 240 (1998) 35
Crystallization, Surface Reactions 240 (1998) 131
Density 240 (1998) 55
Hydrogen Effects, Silicon 240 (1998) 29

Neutron Diffraction
Alloys, Modelling, X-ray Diffraction 240 (1998) 35
Chalcogenide Glasses, Structure 240 (1998) 221

Non-linear Optics
Electronic Structure, Optical Properties 240 (1998) 212

Nuclear Magnetic Resonance
Ionic Conductivity, Phosphates, Structure 240 (1998) 79

Optical Properties
Borates, Glasses Containing Transition Metal Ions 240 (1998) 232
Electronic Structure, Non-linear Optics 240 (1998) 212
Fluorescence Spectra, Rare Earth Ions 240 (1998) 66

Oxidation Reduction
Borosilicates, Polarization 240 (1998) 193

Oxides
Density, Raman Spectra, Rare Earth Ions 240 (1998) 22
Glass Formation, Sol-Gel Processes 240 (1998) 242

Phosphates
Infra-red Absorption, Structure 240 (1998) 144
Ionic Conductivity, Nuclear Magnetic Resonance, Structure 240 (1998) 79

Photoinduced Effects
Chalcogenide Glasses, Luminescence, Polarization 240 (1998) 237
Chalcogenide Glasses 240 (1998) 177

Polarization
Borosilicates, Oxidation Reduction 240 (1998) 193
Chalcogenide Glasses, Luminescence, Photoinduced Effects 240 (1998) 237

Processing Variables
Silicon Dioxide, Thin Films 240 (1998) 154

Radiation Effects
Devices, Transistors 240 (1998) 182

Raman Spectra
Density, Oxides, Rare Earth Ions 240 (1998) 22
Hydrogen in Glass, Infra-red Absorption, Silica 240 (1998) 91

Rare Earth Ions
Density, Oxides, Raman Spectra 240 (1998) 22
Fluorescence Spectra, Optical Properties 240 (1998) 66

Silica
Hydrogen in Glass, Infra-red Absorption, Raman Spectra 240 (1998) 91

Silicon Dioxide
Processing Variables, Thin Films 240 (1998) 154

Silicon
Hydrogen Effects, Modelling 240 (1998) 29

Sintering
Aerogels, Densification, Kinetics 240 (1998) 118

Sol-Gel Method
X-ray Diffraction 240 (1998) 202

Sol-Gel Processes
Aerogels, Vanadium Oxide 240 (1998) 50
Glass Formation, Oxides 240 (1998) 242

Stability
Borates, Differential Scanning Calorimetry 240 (1998) 166

Static Fatigue
Structural Relaxation, Surface Reactions 240 (1998) 104

Structural Relaxation
Static Fatigue, Surface Reactions 240 (1998) 104

Structure
Chalcogenide Glasses, Neutron Diffraction 240 (1998) 221
Infra-red Absorption, Phosphates 240 (1998) 144
Ionic Conductivity, Nuclear Magnetic Resonance, Phosphates 240 (1998) 79

Surface Reactions
Crystallization, Modelling 240 (1998) 131
Static Fatigue, Structural Relaxation 240 (1998) 104

Theory
Chalcohalides, Chemical Short-Range Order 240 (1998) 1

Thin Films
Processing Variables, Silicon Dioxide 240 (1998) 154

Transistors
Devices, Radiation Effects 240 (1998) 182

Vanadium Oxide
Aerogels, Sol-Gel Processes 240 (1998) 50

Viscosity
Diffusion, Glasses Containing Transition Metal Ions, Voltammetry 240 (1998) 110

Voltammetry
Diffusion, Glasses Containing Transition Metal Ions, Viscosity 240 (1998) 110

X-ray Diffraction
Alloys, Modelling, Neutron Diffraction 240 (1998) 35
Sol-Gel Method 240 (1998) 202